

**OFFICE OF ENERGY ASSURANCE  
U.S. DEPARTMENT OF ENERGY  
Hurricane Ivan Situation Report #11  
September 23, 2004 (10 AM EDT)**

**HIGHLIGHTS**

- Approximately 177,499 customers in Alabama and Florida are without electricity. Almost three-fourths of Gulf Power's customers in Florida now have their power restored.
- EA continues to monitor Hurricane Jeanne, which NOAA believes could be a threat to the U.S. Eastern Seaboard. As of 8 AM EDT 9/23 the storm has increased its maximum sustained winds to near 100 mph, making it a Category 2 Hurricane. At that time, the center of Hurricane Jeanne was located about 475 miles east of Great Abaco Island in the Bahamas. Jeanne has been drifting erratically for the past few hours. However, the Hurricane is expected to begin a westward motion at about 6 mph later today. An image of the current storm path is available at:  
<http://www.nhc.noaa.gov/ftp/graphics/AT11/refresh/AL1104W5+GIF/190858W5.gif>
- EA is monitoring Tropical Storm Ivan, which has looped around and is again striking the U.S. Gulf Coast. At 7 AM EDT 9/23 the center of Tropical Storm Ivan was located 95 miles southeast of Cameron, LA, and is moving toward the west-northwest at nearly 15 mph. The storm has maximum sustained winds near 45 mph and is expected to make landfall within the next 24 hours. At this moment, the National Weather Service expects storm damage to come from flooding, not from high winds. An image of the current storm path is available at:  
<http://www.nhc.noaa.gov/ftp/graphics/AT09/refresh/AL0904W5+GIF/231148W5.gif>
- EA is also monitoring Hurricane Karl. NOAA reports that Karl is moving north-northwestward but is no threat to land. At 5 AM EDT 9/23 the center of Hurricane Karl was about 1150 miles west-southwest the Azores and is moving towards the north-northeast near 23 MPH. It has sustained winds near 125 MPH and is a Category 3 Hurricane. An image of the current storm path is available at:  
<http://www.nhc.noaa.gov/ftp/graphics/AT12/refresh/AL1204W5+GIF/220853W5.gif>
- Tropical Storm Lisa continues to form and a new, unnamed Tropical Depression is forming behind it. Should it develop into a storm, it will be called Matthew.

**ELECTRICITY INFORMATION**

**STATE OUTAGE DATA**

Utility	Customers w/o Power	Total Customers	% Customers w/o Power from Ivan
Florida	106,617	8,877,905	1.2%
Alabama	70,882	2,317,229	3.1%
<b>Total</b>	<b>177,499</b>	<b>11,195,134</b>	<b>1.5%</b>

Source: Total Customers – EIA Electric Sales and Revenue 2002 and Florida EOC. Sources for Alabama and Florida are from the State Emergency Operations Centers.

### State Outage Information

**Florida** - Florida has 106,617 customers without power. Gulf Power Company had restored power to 74 percent of its customers across Northwest Florida by late Wednesday, 9/22. Gulf Power Company began bringing in fresh crews to replace some of the 4,000 outside workers working to get electricity back on for customers. Southern Company has sent volunteer employees in from Mississippi, Georgia and Alabama as well to assist with a variety of duties. The FL EOC is projecting that 95 percent power will be restored to Escambia and Santa Rosa Counties by October 6 "for those structures in position to accept service". These are the two most heavily damaged counties in Florida. The FL EOC is also projecting that power will be restored to Okaloosa and Walton Counties to the 95 percent level by midnight on Wednesday (9/22).

#### Florida County Outage Data:

(Data shown in the Table are as of 9/23/04 7:15 AM EDT)

County	Customers w/o Power	Total Customers	% Customers w/o Power
Escambia	74,823	148,372	50%
Okaloosa	3,345	99,980	3%
Santa Rosa	28,254	67,881	42%

- Alabama** – Currently, 70,882 Alabama customers remain without power, including 18,888 customers of Alabama Power and 51,994 customers of cooperatives. TVA has restored power to all of its customers. Alabama Power expects to have power restored to Montgomery customers by 9/23 and customers in Mobile by 9/24. The company reported that at least 27 states and the District of Columbia have utility crews in Alabama assisting with restoration efforts. In total, some 6,000 workers are in neighborhoods throughout Alabama Power service territory.
- North Carolina** – Current outages are very low. Most affected areas are Buncombe and Haywood Counties. Progress Energy North Carolina expected to have all customers capable of receiving power restored by midnight Tuesday 9/21, but there might be some isolated outages in areas from extensive tree or water damage or inaccessibility due to road closures. To date, damage assessors have found 47 miles of power lines down and 250 damaged poles.
- Puerto Rico** – According to Puerto Rico news sources, approximately 94 percent of the customers have had power restored. FEMA and DOE are conceptualizing a study of the Puerto Rico grid to learn the sources of the grid problems there and any applicable lessons learned.

## **OIL AND GAS INFORMATION**

- No more current information is available since Situation Report #10.